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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Bailey, Todd C., et al.
App. No.: 10/666,527 GPAU: 1756
Filing Date: 09/18/2003 Examiner: (unassigned)
Dkt. No.: PA51-22-02 Conf. No.: 5895
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INFORMATION DISCLOSURE STATEMENT

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- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449
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to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:

before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

Applicants do not believe that any additional fees are due, but if the Commissioner believes additional fees are due, the



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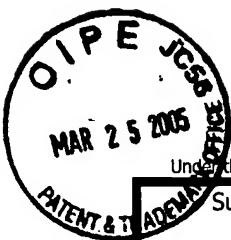
Signed: Katrina Prati

Typed Name: Katrina Prati

Date: 3-23-05

Respectfully Submitted,

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PTO/SB/08A (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT***(use as many sheets as necessary)*

Sheet 1 of 8

Complete if Known

APPLICATION NUMBER	10/666,527
FILING DATE	09/18/2003
FIRST NAMED INVENTOR	Bailey et al.
Group Art Unit	1756
Examiner Name	Unassigned
Attorney Docket Number	PA51-22-02

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	B1	5,414,514		Smith et al.	5/9/1995	
	B2	5,808,742		Everett et al.	9/15/1998	
	B3	6,088,103		Everett et al.	7/11/2000	
	B4	6,309,580	B1	Chou	10/30/2001	
	B5	6,391,217	B2	Schaffer et al.	5/21/2002	
	B6	6,517,977	B2	Resnick et al.	2/11/2003	
	B7	6,522,411	B1	Moon et al.	2/18/2003	
	B8	6,696,220	B2	Bailey et al.	2/24/2004	
	B9	10/687,519		Nguyen et al.	10/16/2003	
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	B17	6,646,662	B1	Nebashi et al.	11/11/2003	
	B18	6,776,094	B1	Whitesides et al.	8/17/2004	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending on the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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	B19	4,600,309		Fay	7/15/1986	
	B20	4,848,911		Uchida et al.	7/18/1989	
	B21	5,074,667		Miyatake	12/24/1991	
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	B34	2004/0197843	A1	Chou et al.	10/7/2004	
	B35	2004/0156108	A1	Chou et al.	8/12/2004	
	B36	2004/0137734	A1	Chou et al.	7/15/2004	

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Sheet 3 of 8				<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">APPLICATION NUMBER</td> <td>10/666,527</td> </tr> <tr> <td>FILING DATE</td> <td>09/18/2003</td> </tr> <tr> <td>FIRST NAMED INVENTOR</td> <td>Bailey et al.</td> </tr> <tr> <td>Group Art Unit</td> <td>1756</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>PA51-22-02</td> </tr> </table>		APPLICATION NUMBER	10/666,527	FILING DATE	09/18/2003	FIRST NAMED INVENTOR	Bailey et al.	Group Art Unit	1756	Examiner Name	Unassigned	Attorney Docket Number	PA51-22-02
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	B37	2004/0131718	A1	Chou et al.	7/8/2004	
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	B39	2004/0046288	A1	Chou	3/11/2004	
	B40	2003/0080472	A1	Chou	5/1/2003	
	B41	2003/0034329	A1	Chou	2/20/2003	
	B42	2002/0042027	A1	Chou et al.	4/11/2002	
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	B45	2004/0033515	A1	Cao et al.	2/19/2004	
	B46	2004/0168586	A1	Bailey et al.	9/2/2004	
	B47	2004/0189996	A1	Sreenivasan et al.	9/30/2004	
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	B51	6,630,410	B2	Trapp et al.	10/7/2003	
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	B53	4,722,878		Watakabe et al.	2/2/1988	
	B54	2002/0175298	A1	Moniwa et al.	11/28/2002	

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	B55	10/670,980		Sreenivasan et al.	9/25/2003	
	B56	10/706,537		Sreenivasan et al.	11/12/2003	
	B57	10/833,240		Watts et al.	4/27/2004	
	B58	10/895,214		Voison	7/20/2004	
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	B61	4,512,848		Deckman et al.	4/23/1985	
	B62	6,388,755	B1	Zhao	5/14/2002	
	B63	6,295,120	B1	Miyatake	9/25/2001	
	B64	6,049,373		Miyatake	4/11/2000	
	B65	6,285,439	B1	Miyatake	9/4/2001	
	B66	6,791,669	B2	Poon	9/14/2004	
	B67	6,517,995	B1	Jacobenson et al.	2/11/2003	
	B68	2004/0110856	A1	Young et al.	6/10/2004	
	B69	6,716,754	B2	Hofmann et al.	4/6/2004	
	B70	2002/0135099	A1	Robinson et al.	9/26/2002	
	B71	5,028,366		Harakal et al.	7/2/1991	
	B72	5,601,641		Stephens	2/11/1997	

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Sheet 6 of 8

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APPLICATION NUMBER 10/666,527

FILING DATE 09/18/2003

FIRST NAMED INVENTOR Bailey et al.

Group Art Unit 1756

Examiner Name Unassigned

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FOREIGN PATENT DOCUMENTS

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		Office ³	Number ⁴ (if known)				
	B76	WO	2004/016406	Sreenivasan	2/26/2004		
	B77	WO	00/21689	Chou et al.	4/20/2000		
	B78	JP	02-92603	Kurikawa et al.	4/3/1990		
	B79	JP	02-24848	Kamio	1/26/1990		
	B80	WO	01/47003	Steiner et al.	6/28/2001		
	B81	WO	02/07199	Chou	1/24/2002		
	B82	WO	2004/114016	Chou et al.	12/29/2004		
	B83	WO	99/05724	Chou et al.	2/4/1999		
	B84	WO	03/010289	Chou et al.	2/6/2003		
	B85	WO	03/079416	Chou	9/25/2003		
	B86	WO	03/099536	Chou et al.	12/4/2003		
	B87	WO	2004/013693	Watts et al.	2/12/2004		

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

	B88	Chou, Nanoimprint Lithography and Lithographically Induced Self-Assembly, MRS Bulletin, pp. 512 - 517, 7/1/2001	
	B89	Colburn et al., Step and Flash Imprint Lithography for sub-100 nm Patterning, Proceedings of SPIE Vol. 3997, pp. 453 - 457, 1/1/2000	
	B90	Chou et al., Imprint Lithography with Sub-10 nm Feature Size and High Throughput, Microelectronic Engineering 35, pp. 237 - 240, 1/1/1997	
	B91	Johnson et al., Advances in Step and Flash Imprint Lithography, SPIE Microlithography Conference, 2/23/2003	
	B92	Chou et al., Lithographically Induced Self-assembly of Periodic Polymer Micropillar Arrays, J. Vac. Sci. Technol. B 17 (6), pp. 3197 - 3202, 11/1/1999	
	B93	Heidari, Nanoimprint Lithography at the 6 in. Wafer Scale, J. Vac. Sci. Technol. B 18(6), pp. 3557 - 3560, 11/1/2000	
	B94	Translation of Japanese Patent 02-92603	
	B95	Translation of Japanese Patent 02-24848	
	B96	Chou et al., Ultrafast and Direct Imprint of Nanostructures in Silicon, Nature, Vol. 417, (June 2002), pp. 835-837, 6/1/2002	

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	B97	Chou et al., Nanoimprint Lithography, Journal of Vacuum Science Technolgy B 14(16), pp. 4129-4133, 11/1/1996	
	B98	Colburn et al., Development and Advantages of Step-and-Flash Lithography, Solid State Technology, 7/1/2001	
	B99	Resnick et al., High Resolution Templates for Step and Flash Imprint Lithography, Journal of Microlithography, Microfabrication, and Microsystems. Vol 1. No. 3., 10/1/2002	
	B100	Colburn et al., Characterization and Modeling of Volumetric and Mechanical Properties for Step and Flash Imprint Lithography Photopolymers, Journal of Vacuum Science Technology. Vol b. 19(6), 11/1/2001	
	B101	Bailey et al., Step and Flash Imprint Lithography: Defect Analysis, Journal of Vacuum Science, B 19(6), pp. 2806-2810, 11/1/2001	
	B102	Bailey et al., Step and Flash Imprint Lithography: Template Surface Treatment and Defect Analysis, Journal of Vacuum Science, B 18(6), pp. 3572-3577, 11/1/2000	
	B103	Wronosky et al., Wafer and Reticle Positioning System for the Extreme Ultraviolet Lithography Engineering Test Stand, Emerging Lithography Technologies, Proceedings of SPIE Vol. 3997, pp. 829-839, 7/1/2000	
	B104	Schneider et al., Stripes of Partially Fluorinated Alkyl Chains: Dipolar Langmuir Monolayers	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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